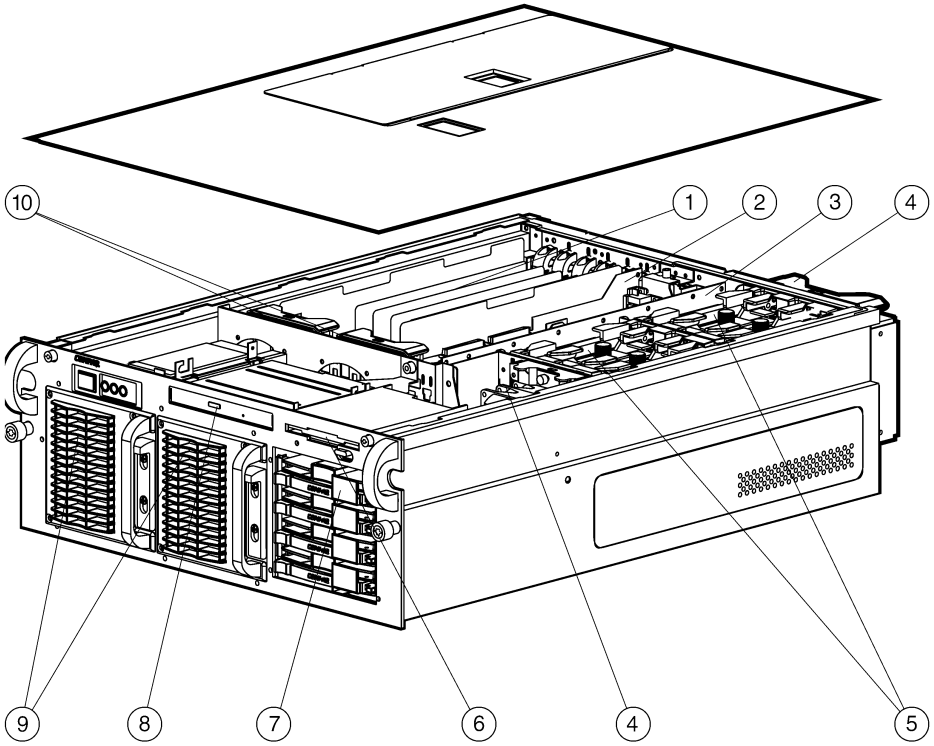
Overview

AT A GLANCE

- Ideal combination of 4-way computing power and density that best fits space constrained data center environments
- Innovative, space saving 4U (7″) rack-optimized design
- Supports one to four Intel Pentium® III Xeon processors with 512-KB, 1-MB, or 2-MB L2 Cache
- ECC protected buffered EDO DIMM memory, (expandable to 4 GB)
- Six 64-bit slots (five PCI Hot Plug and one shared PCI/ISA)
- NC3131 64-bit PCI dual port 10/100 Controller upgradable to Gigabit
- Internal Hot Plug Drive Storage of up to 72.8 GB with 18.2-GB 1" Wide Ultra2 hard drives
- Standard Wide Ultra2 Drive Cage
- Integrated Remote Console (IRC)
- Uncompromising reliability features:
  - Industry-Standard PCI Hot Plug with new push button functionality
  - Hot plug drive bays
  - Redundant hot plug fans
  - Optional redundant hot plug power supplies
  - Optional redundant power processor modules
  - ECC protected memory and processor bus
  - Supports redundant NICs
  - ASR-2 and Online Recovery Server Option
- Diagnostic interlocks for enhanced serviceability
- Toolless internal design for easy access to system components
- Protected by Compaq Services, including a limited three-year parts, labor and on-site warranty[1] with optional four hour response. Pre-Failure Warranty[1] and Compaq Service and Support Programs available on a Worldwide basis



1. Six 64-bit I/O Slots (Five PCI Hot Plug and one shared PCI/ISA)
2. Peripheral Board
3. Memory Board
4. Redundant Hot Plug Fans
5. Processors and Processor Power Modules
6. 1.44-MB Diskette Drive
7. Four Hot Plug Ultra2 Drive Bays
8. 24X Max[2] (or faster) IDE CD-ROM
9. Hot Plug Power Supplies (two shown in graphics above – only one ships standard)
10. Additional Fans

COMPAQ "Your partner through time" 2000 Ready

Standard Features

MODELS

500-MHz Models

ProLiant 6400R
6/500-2 MB
Model 2-1024
388394-002

6/500-1 MB
Model 2-256
388393-002

6/500-512 KB
Model 1-256
400092-002

Processor

Intel Pentium III Xeon processor 500 MHz

6/500 Model 2-1024 (two processors standard)
6/500 Model 2-256 (two processors standard)
6/500 Model 1-256 (one processor standard)

Cache Memory

2-MB level 2 writeback cache per processor standard

6/500 Model 2-1024

1-MB level 2 writeback cache per processor standard

6/500 Model 2-256

512-KB level 2 writeback cache per processor standard

6/500 Model 1-256

Upgradability

Upgradable to quad processing

Support for future processor upgrades

6/500 Model 2-1024
6/500 Model 2-256
6/500 Model 1-256

Memory

Standard 1024 MB
Maximum 4 GB

6/500 Model 2-1024

Standard 256 MB
Maximum 4 GB

6/500 Model 2-256
6/500 Model 1-256

Network Controller

NC3131 64-bit PCI dual port 10/100 Controller

6/500 Model 2-1024
6/500 Model 2-256
6/500 Model 1-256

Expansion Slots

I/O (Total)	6, 5 available
64-bit PCI Hot Plug	5, 4 available
64-bit PCI/ISA	1, 1 available

Storage Controller

Integrated Dual Channel Wide-Ultra SCSI-3 Adapter

Storage

Diskette Drives	1.44 MB
CD-ROM	24X Max[2] IDE CD-ROM Drive (slim line)
Hard Drives	None
Maximum Internal Storage	72.8GB (internal hot plug drive cage)

Standard Features

Interfaces

Parallel	1
Serial	1
Pointing Device (Mouse)	1
Graphics	1
Hot Plug Keyboard	1
External Wide-Ultra SCSI-3	1
Network RJ-45	2

Graphics

Integrated 1280 x 1024, 256 color on PCI local bus, 2-MB video memory

Form Factor

Rack (4U), ships with sliding rails and cable management

Compaq Software

Compaq Insight Manager	The comprehensive system management tool that monitors the operation of Compaq servers, workstations and clients
Compaq SmartStart	The server configuration and software integration tool from Compaq
Array Configuration Utility (ACU) with Smart Array Controllers	Same easy to use yet powerful graphical user interface (GUI) configuration utility and easy to navigate wizards for all Smart Array Controllers

Manageability

Integrated Remote Console-IRC (with an internal modem)
Integrated Management Log (IML)
Server Health logging
Automatic Server Recovery-2 (ASR-2)
Recovery Server Option
Off-Line Backup Processor capability
PCI Hot Plug with push button functionality
Redundant Hot Plug Fans
Dynamic sector repairing and drive parameter tracking (with Smart Array controllers)
Redundant Processor Power Modules (optional)
Redundant / adaptive load balancing NIC Support
Redundant Hot Plug Power Supplies (optional)
Pre-Failure Warranty[1] (covers Intel Pentium III Xeon processors, as well as hard drives and memory)

Security

Power-on password
Hot plug keyboard password
Diskette drive control
Diskette boot control
Network Server Mode
Security Provision
Parallel and serial interface control
Administrator's password
Disk configuration lock
Hot plug access security

Power Supply

450-Watt Hot Plug Power Supply (optional Redundant Hot Plug Power Supply)

Standard Features

OS Support

Microsoft Windows NT
Novell NetWare, IntraNetWare
SCO UnixWare and OpenServer
IBM OS/2 Warp Family
Sun Solaris
Banyan Vines

Service and Support

Compaq Services provides a wide range of service offerings, including a three-year, limited warranty[1] fully supported by a worldwide network of resellers and service providers, lifetime toll-free 7 x 24 hardware technical phone support and Pre-Failure Warranty[1] coverage of hard drives, memory and processors. Disaster recovery services are available through partnership with Comdisco.

Options

Processor

Non-redundant power processor module

Pentium III Xeon 6/500 2MB Processor Option Kit	117812-B21
Pentium III Xeon 6/500 1MB Processor Option Kit	117811-B21
Pentium III Xeon 6/500 512K Processor Option Kit	117810-B21

Redundant power processor module

Pentium III Xeon 6/500 2MB Processor Option Kit	117649-B21
Pentium III Xeon 6/500 1MB Processor Option Kit	117648-B21
Pentium III Xeon 6/500 512K Processor Option Kit	117647-B21

Memory

50ns EDO

1024-MB EDO Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns)	328583-B21
512-MB EDO Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns)	328582-B21
256-MB EDO Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns)	328581-B21

60ns EDO

1024-MB EDO Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 60ns)	241774-B21
512-MB EDO Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 60ns)	241773-B21
256-MB EDO Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 60ns)	241772-B21
128-MB EDO Memory Expansion Kit (4 x 32-MB buffered EDO DIMMs, 60ns)	241771-B21
64-MB EDO Memory Expansion Kit (4 x 16-MB buffered EDO DIMMs, 60ns)	241770-B21

Monitors

TFT5000 Flat Panel	325700-001
TFT450R Rackmount Flat Panel	332662-001
P75 Color	307806-001
V700 Color (opal)	325800-001
V700 Color (carbon)	325800-002
V500 Color	325900-001
V75 Color	307710-001
S700 Color	360512-001

Hard Drives[3]

Wide Ultra2 SCSI – Universal Hot Plug

18.2-GB Wide Ultra2 SCSI Drive (1″)	388144-B22
9.1-GB Wide Ultra2 SCSI 10,000 rpm Drive (1″)	328939-B22
9.1-GB Wide Ultra2 SCSI Drive (1″)	123065-B22

Wide Ultra2 SCSI – Hot Plug

18.2-GB Wide Ultra2 SCSI 10,000 rpm Drive (1″)	128418-B21

Storage Controllers

Smart Array 221 Controller	388099-B21
Smart Array 3200 Controller	295643-B21
Smart Array 4200 Controller	295636-B21
Wide-Ultra SCSI-3 Adapter	272514-001
64-Bit Dual Channel Wide Ultra2 SCSI Adapter	348757-B21

Required Cabling

For required cabling information, refer to the Compaq website at http://www.compaq.com/products/servers/proliant6400r.

RAID Array 4000

StorageWorks Raid Array 4000 (rack)	223100-001
Fibre Channel Storage Hub 12	295573-001
Fibre Channel Storage Hub 7	234453-001
Fibre Channel Host Adapter Kit/P	223180-B21
StorageWorks Raid Array 4000 Redundant Array Controller	223187-B21
GBIC-SW Connector Kit (two each)	234459-B21
GBIC-LW Connector Kit (two each)	340412-B21
2m Multi-Mode Fibre Channel Cable	234457-B21
5m Multi-Mode Fibre Channel Cable	234457-B22
15m Multi-Mode Fibre Channel Cable	234457-B23
Raid Array 4000 Redundant Power Supply	224206-001
Raid Array 4000 Tower to Rack Conversion Kit	297162-B21
Fibre Channel Storage Hub 7 Rack Conversion Kit	242795-B21
Upgrade Kit for Proliant Storage System F and F1	296324-B21
Fibre Channel Array Controller 64-MB Cache Upgrade Kit	262398-B21
Fibre Channel Troubleshooting Kit	234468-B21

Options

External Storage	
Compaq StorageWorks Enclosure Model 4214R (rack-mountable)[4]	103381-001
Rack-Mountable SCSI Storage Expander II	332607-001
Rack-Mountable ProLiant Storage System Model UE	348700-001
Rack-Mountable ProLiant Storage System Model U2	304100-B22
ProLiant Storage System Model F1 or U1 to Model UE Upgrade Kit	348718-B21
ProLiant Storage System Model F2 or U2 to Model UE Upgrade Kit	348706-B21
Conversion Kit, SB to DB/U	304116-B21
Conversion Kit, DB to SB/U	304115-B21
ProLiant Storage System RPS Upgrade /F or /U	224206-001
StorageWorks Enclosure 4200 Redundant Power Supply Option	119826-B21
StorageWorks Enclosure 4200 Dual Bus Module Option	119829-B21
StorageWorks Enclosure Tower to Rack Conversion Kit	150213-B21

Server Recovery	
Rack-Mountable ProLiant Storage System RSO/U	387256-001
Recovery Server Option for ProLiant Storage System Model U1 & F1	304117-B21

Tape Drives	
External 35/70-GB DLT Drive	242521-B21
External 35/70-GB DLT Drive (Opal)	242521-B22
External 20/40-GB DLT Drive	340744-B21
External 20/40-GB DLT Drive (Opal)	340744-B22
External 12/24-GB DAT 6 AutoLoader	295525-B21
12/24-GB DAT DDS-3 8 Cassette autoloader (external)	110946-001
External AIT 35-GB Tape Drive	388507-001

DLT Libraries[5]	
DLT Tape Array Model 0	199860-001
DLT Tape Array II Model 35/70-4 no software	295165-001
35/70 DLT Library Ready Drive	350367-B21
DLT Library 15 Cartridge[6] Model 35/70-1	350365-001
DLT Library 15 Cartridge[6,7] Model 35/70-2	350365-002
20/40 DLT Library Ready Drive	350364-B21
DLT Library 15 Cartridge[6] Model 20/40-1	350362-001
DLT Library 15 Cartridge[6] Model 20/40-2	350362-002
DLT Library Tabletop Conversion Kit[6]	350384-B21
TL895 (96 slot) library unit, 2 drive[8]	349350-B22

DLT Libraries[5] *(continued)*	
TL895 (96 slot) library unit, 3 drive[8]	349350-B23
TL895 (96 slot) library unit, 4 drive[8]	349350-B24
TL895 (96 slot) library unit, 5 drive[8]	349350-B25
TL895 (96 slot) library unit, 6 drive[8]	349350-B26
TL895 (96 slot) library unit, 7 drive[8]	349350-B27
TL891 DLT library unit, 1 drive[8] Rack	128076-B21
TL891 DLT library unit, 2 drive[8] Rack	128076-B22
TL881 DLT Library, 1 drive[8] Rack	128669-B21
TL881 DLT Library, 2 drive[8] Rack	128669-B22
MiniLibrary Data Unit	128670-B21
MiniLibrary Expansion Unit	120877-B21

Communications	
Compaq NC3123 Fast Ethernet NIC PCI 10/100 WOL	174830-B21
Compaq NC3122 Fast Ethernet NIC PCI Dual 10/100	317450-B21
Compaq NC3131 Fast Ethernet NIC 64 PCI Dual Base 10/100	338456-B21
Compaq NC3132 Fast Ethernet Module Dual 10/100 Upgrade Module for NC3131	338456-B22
Compaq NC6132 Gigabit Module 1000 SX Upgrade Module for NC3131	338456-B23
Compaq NC6133 Gigabit Module 1000LX Upgrade Module for NC3131	338456-B24
Compaq NC3133 Fast Ethernet Module 100FX Upgrade Module for NC3131	338456-B25
Compaq NC6134 Gigabit NIC 64 PCI 1000SX	174818-B21
Compaq 100 FDDI PCI SAS Fibre-SC Controller	242505-001
Compaq 100 FDDI PCI SAS UTP Controller	242507-001
Compaq 100 FDDI PCI DAS Fibre-SC Controller	242509-001
Compaq 100 FDDI PCI DAS UTP Controller	242511-001
Compaq 100 FDDI PCI SAS Fibre-MIC Controller	287728-001
Compaq NC4621 Token Ring NIC PCI 4/16 WOL	379956-B21
IBM 16/4 Token Ring PCI Special	133749-B21
Compaq 56K ISA Fax Modem v.90	294900-002
Serial/Parallel Interface Board	108406-002
ServerNet PCI Adapter	309833-B22
4M Cable	309834-B23
30M Cable	309834-B22

Options

Uninterruptible Power Systems	
Rack-Mountable UPS R1500	242704-001
Rack-Mountable UPS R1500h[7]	242704-002
Rack-Mountable UPS R3000	242705-001
Rack-Mountable UPS R3000h[7]	242705-002
Rack-Mountable UPS R3000h-NA[9]	242705-003
Rack-Mountable UPS R6000-NA (208-240 VAC)	347207-001
R6000 Extended Runtime Module	347224-B21
R6000 SNMP-EN Adapter	347225-B21
High to Low Voltage Transformer (250VA)	388643-B21
Multi-Server UPS Card	123508-B21
Scalable UPS Card	123509-B21

Compaq Rack 9000 Series	
Compaq Rack 9142 (42U)	120663-B21
Compaq Rack 9136 (36U)	120664-B21
Compaq Rack 9122 (22U)	120665-B21

Compaq Rack 7000 Series	
Compaq Rack 7142 (42U)	165753-001
Compaq Rack 7122 (22U)	163747-001

Compaq Rack 4000 Series	
Compaq Rack Frame 4136 (36U)	303668-001
Compaq Rack 4136 (36U)	303656-001

Rack Options for Compaq Rack 9000 Series	
Baying Kit	120669-B21
9142 Side Panel Kit	120670-B21
9136 Side Panel Kit	120671-B21
Ballast Option Kit	120672-B21
Stabilizer Option Kit	120673-B21
Rack Rail Adapter Kit (25" depth)	120675-B21
Fan (110 VAC) Roof Mount	120677-B21
Fan (220 VAC) Roof Mount	120678-B21
Bustle Kit	120679-B21
Grounding Rack Option Kit	120682-B21

Rack Options for Compaq Rack 7000 Series	
Rack Sidewall Kit (42U only)	165652-001
Coupling Kit (42U only)	165664-001
Stabilizing Feet (42U only)	189907-001
High Air Flow Rack Door Insert for 7122	157847-B21
High Air Flow Rack Door Insert for 7142	327281-B21
High Air Flow Rack Door Insert for 7142 (6 pack)	327281-B22

Rack Options for Compaq Rack 4000 Series	
Rack Sidewall Kit (36U only)	303658-B21
Coupling Kit (36U only)	303657-B21
Stabilizing Feet (36U only)	303659-B21
Rack Frame 36U Front Door Kit	303669-B21
Rack Frame 36U Back Door Kit	303670-B21

Rack Options for Compaq Rack 4000, 7000 and 9000 Series	
Depth Adjustable Fixed Rails	332558-B21
Sliding Shelf Kit	332564-B21
Monitor Utility Shelf	303606-B21
Rack Blanking Panel Kit (Beach Gray)	169940-001
Rack Blanking Panel Kit (Opal)	169940-B21
Compaq Networking Cable Management Kit	292407-B21
Compaq Networking Recessed Rail Management Kit	292406-B21
High Capacity Cable Management Arm Kit	124711-B21
Compaq Power Distribution Unit - low voltage	295363-001
Compaq Power Distribution Unit - high voltage-NA	295363-002
Compaq Power Distribution Unit - high voltage[7]	295363-B31
Server Console Switch 1 x 2 port (100-230 VAC)	120206-001
Server Console Switch 1 x 4 port (100-230 VAC)	400336-001
Server Console Switch 1 x 8 port (100-230 VAC)	400337-001
Server Console Switch 2 x 8 port (100-230 VAC)	400338-001
Server Console Switch 2 x 8 port (48VDC)	400542-B21
CPU to Server Console Cable, 12′	100936-B21
CPU to Server Console Cable, 20′	100936-B22
CPU to Server Console Cable, 40′	100936-B23
CPU to Server Console Cable (Plenum Rated) 20'	149363-B21
CPU to Server Console Cable (Plenum Rated) 40'	149364-B21
Switch Box Connector Kit (115V)	144007-B21
Switch Box Connector Kit (230V)	144007-B22
Rack Internal Trackball Keyboard (Opal)	185152-406
1U Rack Keyboard Drawer	338056-B21
Keyboard/Monitor/Mouse extension cables	169989-001

Options

Other

Fibre Channel Tape Controller	340654-001
Fibre Channel Storage Switch 16	380578-B21
Fibre Channel Storage Switch 8	380591-B21
Compaq Remote Insight (PCI) LAN+NA Modem	294013-002
Compaq Remote Insight Board (PCI) LAN/Serial without modem	294013-B24
Compaq Remote Insight Board (PCI) LAN only	294013-B25
Expedite Rack Delivery	184449-001
4-GB DDS-2 DAT Cassette	137611-001
12/24-GB DDS-3 DAT 8 Cassette Pre-Filled Magazine (7 data cassettes, 1 cleaning cassette)	134117-B21
DLT IV Data Cartridges (single pack)	295194-B21
DLT IV Data Cartridges (7 pack)	295192-B21
DLT Cleaning Cartridge	199704-001
DLT Tape Array Cable Kit	242427-001
DLT Magazine with five Type IV DLT Tape	295168-B21
12-GB DDS-3 DAT Cassette (10 Pack)	295515-B21
DAT 4mm Cleaning Cassette	242781-001
AIT 35-GB Data Cassette (5 pack)	402371-B21
AIT Cleaning Cassette	402374-B21
10 Slot Magazine	120881-B21
Add-On 35/70GB Drive for TL891	120878-B31
Add-On 20/40GB Drive for TL881	128671-B21
MiniLibrary Pass Thru Mechanism Kit	120880-B21
MiniLibrary Table Top to Rack Mount Conversion Kit, Metric/RETMA racks	120882-B21
MiniLibrary Table Top to Rack Mount Conversion Kit, Compaq racks	120883-B21
DLT7000 drive upgrade kit	349351-B21

Redundant Options

Compaq Hot Plug Redundant Power Supply Option Kit[10]	105739-001
Compaq Redundant Power Processor Module Option Kit	105738-B21

Service Options[11, 12]

Hardware Services 4-Hour On-site Service

9-Hour x 5-Day Coverage, 3 Years	FM-HE4HR-36
24-Hour x 7-Day Coverage, 3 Years	FM-HE724-36

Installation & Start-up Services

Hardware Installation	FM-HEINS-IN
O/S & Hardware Installation[13]	FP-CXHSI-04

Service Options[11, 12] *(continued)*

Business Solutions Priority Service Plan – Priority Level

9x5 4-hour H/W, 9x5 2-hour O/S (NT & NetWare), 3 Years	FP-CX104-36

Business Solutions Priority Service Plan – Priority 24 Level

24x7 2-hour H/W, 24x7 2-hour O/S (NT & NetWare), 3 years	FP-CX204-36

Business Solutions Priority Service Plan – Priority Plus Level

24x7 4-hour H/W, 24x7 1-hour O/S (NT & NetWare), SPS account review, 3 Years	FP-CX304-36

Business Solutions Priority Service Plan – Priority Premier Level

24x7 2-hour H/W, 24x7 1-hour O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, 3 Years	FP-CX504-36

Business Solutions Priority Service Plan – Priority Executive Premier Level

24x7 2-hour H/W, 24x7 30-min. O/S (NT & NetWare), SPS Account Review, Proactive Management Review, named S/w rep, 3 Years	FP-CX704-36

Memory

Compaq ProLiant 6400R 6/500-2MB Model 2

STANDARD MEMORY

1024 MB Standard 16 slots, 4 DIMMs per bank up to 4 GB of EDO Memory

Standard	Slot							
	1	2	3	4	5	6	7	8
1024 MB	256 MB	256 MB	256 MB	256 MB	Empty	Empty	Empty	Empty
	9	10	11	12	13	14	15	16
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 4096 MB of DIMM memory is available with the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
4096 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

Note: Memory must be added in banks of four DIMMS. This chart does not represent all possible memory configurations.

Mixing of 50ns and 60ns memory is permitted; however, each bank of 4 DIMMs must contain the same size and speed DIMMs. Performance will default to the slower of the two speeds (that is, 60ns).

Following memory options are available from Compaq:

50ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns) 328583-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns) 328582-B21
- 256-MB Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns) 328581-B21

60ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 60ns) 241774-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 60ns) 241773-B21
- 256-MB Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 60ns) 241772-B21
- 128-MB Memory Expansion Kit (4 x 32-MB buffered EDO DIMMs, 60ns) 241771-B21

Memory

Compaq ProLiant 6400R 6/500 1MB Model 1-256 and 6/500 512KB Model 2-256

STANDARD MEMORY

256 MB Standard. 16 slots, 4 DIMMs per bank up to 4 GB of EDO Memory

Standard	Slot							
	1	2	3	4	5	6	7	8
256 MB	64 MB	64 MB	64 MB	64 MB	Empty	Empty	Empty	Empty
	9	10	11	12	13	14	15	16
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 3328 MB of DIMM memory is available with the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
3328 MB	64 MB	64 MB	64 MB	64 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 4096 MB of DIMM memory is available with the removal of standard memory and the installation of optional EDO Memory Kits.

Up To	Slot							
	1	2	3	4	5	6	7	8
4096 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB
	9	10	11	12	13	14	15	16
	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB	256 MB

Note: Memory must be added in banks of four DIMMS. This chart does not represent all possible memory configurations.

Mixing of 50ns and 60ns memory is permitted; however, each bank of 4 DIMMs must contain the same size and speed DIMMs. Performance will default to the slower of the two speeds (that is, 60ns).

Following memory options are available from Compaq:

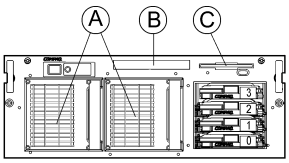
50ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 50ns) 328583-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 50ns) 328582-B21
- 256-MB Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 50ns) 328581-B21

60ns EDO

- 1024-MB Memory Expansion Kit (4 x 256-MB buffered EDO DIMMs, 60ns) 241774-B21
- 512-MB Memory Expansion Kit (4 x 128-MB buffered EDO DIMMs, 60ns) 241773-B21
- 256-MB Memory Expansion Kit (4 x 64-MB buffered EDO DIMMs, 60ns) 241772-B21
- 128-MB Memory Expansion Kit (4 x 32-MB buffered EDO DIMMs, 60ns) 241771-B21

Storage



Key:

A	Hot Plug Power Supplies
B	High Speed IDE CD-ROM[2]
C	Diskette Drive
0-3	Hot Pluggable Hard Disk Drives (1 cage installed)

DRIVE SUPPORT

	Quantity Supported	Position Supported	Controller
Removable Media			
1.44-MB Diskette Drive	Up to 1	C	Integrated
IDE CD-ROM Drive[2]	Up to 1	B	Integrated IDE
Hard Drives[3]			
Wide Ultra2 Hot Pluggable Drives			
1-inch 18.2-GB 10,000 rpm 18.2-GB 9.1-GB 10,000 rpm 9.1-GB	Up to 4	0-3	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-Bit Dual Channel Wide Ultra2 SCSI Adapter Wide-Ultra SCSI-3 Adapter
External Storage			
StorageWorks Enclosure 4200 Family[4]	Up to 10 (2 per channel SCSI controlled)	External	Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-Bit Dual Channel Wide Ultra2 SCSI Adapter
ProLiant Storage System Models UE ProLiant Storage System Models U2	Up to 10 (2 per channel SCSI controller)	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 221 Controller Smart Array 3200 Controller Smart Array 4200 Controller 64-Bit Dual Channel Wide Ultra2 SCSI Adapter Wide-Ultra SCSI-3 Adapter
TL895 (96 Slot) DLT Library (2 – 7 Drive)[8] TL891 DLT Library (1 – 2 Drive)[8] TL881 DLT Library (1 – 2 Drive)[8]	2 drives per SCSI channel	External	Compaq Dual Channel Wide-Ultra SCSI-3 Adapter Compaq Wide-Ultra SCSI Adapter
SCSI Storage Expander II	Up to 10 (2 per channel SCSI controller)	External	Integrated Dual Channel Wide-Ultra SCSI-3 Adapter Smart Array 3200 Controller Dual Channel Wide Ultra2 SCSI Adapter Wide-Ultra SCSI-3 Adapter
StorageWorks Raid Array 4000 Kit	Up to 11	External	Fibre Channel Host Adapter

Maximum Internal Hot Plug Storage Capacity – (SCSI Attached)

Internal	72.8 GB
External	2.91 TB (10 ProLiant Storage Systems, each with 8 x 36.4-GB hard drives)
Total	2.98 TB

Maximum Internal Hot Plug Storage Capacity – (External StorageWorks Enclosure Attached)

Internal	72.8 GB
External	2.548 TB (10 StorageWorks Enclosures, each with 14 x 18.2-GB hard drives)
Total	2.620 TB

Maximum Storage Capacity – (External Raid Array 4000 Attached)

Internal	72.8 GB (SCSI Attached)
External	19.21 TB (6 PCI slots x 11 Raid Array 4000, each with 8 x 36.4-GB hard drives)
Total	19.29 TB

Storage

SUPPORTED TAPE DRIVE OPTIONS (External only)

Tape Drive	Operating System	Key
12/24-GB DAT Drive	Novell NetWare	AS, JS, LG, SE
	SCO UNIX	AO, UX
	Banyan VINES	VN
	OS/2 Warp and LAN Server	ST
	Microsoft Windows NT	AS, NT, SE, LG
AIT 35-GB Tape Drive	Novell NetWare	AS, JS, LG, SE
	SCO UNIX	AO, UX
	Banyan VINES	VN
	OS/2 Warp and LAN Server	ST
	Microsoft Windows NT	AS, NT, SE, LG
12/24-GB DAT DDS-3 8 Cassette Autoloader	Novell NetWare	AS, JS, LG, SE
	SCO UNIX	AO, UX
	Banyan VINES	VN
	OS/2 Warp and LAN Server	ST
	Microsoft Windows NT	AS, NT, SE, LG
35/70-GB DLT Drive	Novell NetWare	AS, JS, LG, SE
	SCO UNIX	AO, UX
	OS/2 Warp and LAN Server	ST
	Microsoft Windows NT	AS, NT, SE, LG
20/40-GB DLT Drive	Novell NetWare	AS, JS, LG, SE
	SCO UNIX	AO, UX
	OS/2 Warp and LAN Server	NV
	Microsoft Windows NT	AS, NT, SE
DLT Tape Array II Model 35/70	Novell NetWare	LG
	SCO UNIX	UX
	Microsoft Windows NT	LG
DLT 15 Cartridge Library[6] Model 35/70-1	Novell NetWare	AS, JS, SE
	SCO UNIX	AO, UX
	Microsoft Windows NT	AS, NT, SE
DLT 15 Cartridge Library[6,7] Model 35/70-2	Novell NetWare	AS, JS, SE
	SCO UNIX	AO, UX
	Microsoft Windows NT	AS, NT, SE
DLT 15 Cartridge Library[6] Model 20/40-1	Novell NetWare	AS, JS, SE
	SCO UNIX	AO, UX
	Microsoft Windows NT	AS, NT, SE
DLT 15 Cartridge Library[6] Model 20/40-2	Novell NetWare	AS, JS, SE
	SCO UNIX	AO, UX
	Microsoft Windows NT	AS, NT, SE
TL895 (96 Slot) DLT Library (2 – 7 Drive)[8]	Novell NetWare	AS, SE
	Microsoft Windows NT 4.0	AS, NT, SE, LG
TL891 DLT Library (1 – 2 Drive)[8]	Novell NetWare	AS, SE
	Microsoft Windows NT 4.0	AS, NT, SE, LG
TL881 DLT Library (1 – 2 Drive)[8]	Novell NetWare	AS, SE
	Microsoft Windows NT 4.0	AS, NT, SE

Keys to Chart

AS Computer Associates ARCserve
JS Computer Associates JETserve
AO Computer Associates ARCserve Open
LG Legato Networker Software from Legato
ST Sytos Plus software
SE Veritas Software Backup Exec
VN Banyan VINES support for Compaq tape drives included in operating system
UX Device drivers for Compaq tape drives available from SCO in the SCO Compaq Supplement
NT Microsoft Windows NT support for Compaq tape drives included in operating system
NV Novastor Novaback for OS/2

Technical Specifications

System Unit

Dimensions (HxWxD) Overall (with rear fan and front handles)	6.94 x 19. x 28.3 in
Chassis Footprint (HxWxD)	6.94 x 19. x 25 in
Weight	
No hard drives installed, one power supply	66 lbs
Input Requirements (per power supply)	
Rated Input Voltage	90 to 120 VAC/200 to 240 VAC
Rated Input Frequency	50 to 60 Hz
Input Power	600W @ 110 VAC/600W @ 220 VAC
Rated Input Current	7A (90 VAC), 5A (120 VAC), 3A (210 VAC)
Heat	2050 BTU
Power Supply Output Power (per power supply)	
Rated Steady-State Power	450W/450W (lowline/highline)
Maximum Peak Power	480W/480W (lowline/highline)
Temperature Range	
Operating	50° to 95°F/10° to 35°C
Non-operating	–20° to 140°F/–30° to 60°C
Shipping	–22° to 122°F/–30° to 50°C
Relative Humidity (non-condensing)	
Operating	20% to 80%
Non-operating	5% to 90%
Maximum Wet Bulb Temperature	101.7°F/38.7°C

Acoustic Noise	NPEL (BELS)	AVERAGE SPL (dBA)
Idle (Fixed Disk Drives Spinning)	7.2	53
Operating (Random Seeks to Fixed Disks)	7.3	54

1.44-MB Diskette Drive

Diskette Size	3.5 in
LED Indicators (front panel)	Green
Read/Write Capacity per Diskette (high/low density)	1.44 MB/720 KB
Drive Supported	One
Drive Height	One-third
Drive Rotation	300 rpm
Transfer Rate (high/low)	500/250 Kb/s
Bytes/Sector	512
Sectors/Track (high/low)	18/9
Tracks/Side (high/low)	80/80
Access Times	
Track-to-Track (high/low)	3/6 ms
Average (high/low)	169/94 ms
Settling Time	15 ms
Latency Average	100 ms
Cylinders (high/low)	80/80
Read/Write Heads	Two

Technical Specifications

Hot Plug Wide Ultra2 SCSI Hard Drives[3]

18.2 GB 10K	**Capacity**	18209.3 MB	**Seek Time** (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.7 ms
	Interface	Wide Ultra2 SCSI	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	80 MB/s	**Physical Configuration**	
			Bytes/Sector	512
			Logical Blocks	35,565,080
			Operating Temperature	50° to 95°F/10° to 35°C
18.2 GB	**Capacity**	18209.3 MB	**Seek Time** (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	6.9 ms
	Interface	Wide Ultra2 SCSI	Full-Stroke	15.0 ms
	Transfer Rate		Rotational Speed	7200 rpm
	Synchronous (Maximum)	80 MB/s	**Physical Configuration**	
			Bytes/Sector	512
			Logical Blocks	35,566,080
			Operating Temperature	50° to 95°F/10° to 35°C
9.1 GB 10K	**Capacity**	9100.0 MB	**Seek Time** (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	5.4 ms
	Interface	Wide Ultra2 SCSI	Full-Stroke	12.2 ms
	Transfer Rate		Rotational Speed	10,000 rpm
	Synchronous (Maximum)	80 MB/s	**Physical Configuration**	
			Bytes/Sector	512
			Logical Blocks	17,773,524
			Operating Temperature	50° to 95°F/10° to 35°C
9.1 GB	**Capacity**	9100.0 MB	**Seek Time** (typical reads, including settling)	
	Height	1 in/25.4 mm	Single Track	0.8 ms
	Width	3.5 in/88.9 mm	Average	7.9 ms
	Interface	Wide Ultra2 SCSI	Full-Stroke	17.0 ms
	Transfer Rate		Rotational Speed	7200 rpm
	Synchronous (Maximum)	80 MB/s	**Physical Configuration**	
			Bytes/Sector	512
			Logical Blocks	17,773,524
			Operating Temperature	50° to 95°F/10° to 35°C

Technical Specifications

24X Max² IDE CD-ROM Drive Slim Line

Disk	
Applicable Disk	CD-ROM (Mode 1 and 2) CD-DA, CD-XA (Mode 2, Form 1 and 2) Photo CD (Single and Multi-session) Mixed Mode (Audio and Data combined)
Capacity	550 MB (Mode 1, 12 cm) 640 MB (Mode 2, 12 cm)
Diameter	4.7 in, 3.15 in/12 cm, 8 cm
Rotational Speed	4200 rpm maximum
Center Hole	0.6 in/15 mm diameter
Thickness	1.2 mm
Track Pitch	1.6 µm
Block Size	
Mode 1	2,048
Mode 2	2,340, 2,336, 1,024 bytes
CD-DA	2,352 bytes
CD-XA	2,328 bytes
Interface	IDE (ATAPI)
Access Times (typical)	
Random	100 ms
Full-Stroke	200 ms
Audio Output Level	
Line-Out	0.7 VRMS at 47 kOhms
Headphone	0.6 VRMS at 32 Ohms (maximum volume)
Data Transfer Rate	
Sustained	150 KB/s (single)
Burst	2100 to 3600 KB/s
Cache Buffer	128 KB
Start-up Time (typical)	< 7 seconds
Stop Time	< 4 seconds
Laser Parameters	
Type	Semiconductor Laser GaA1As
Wave Length	780 ± 25 nm
Divergence Angle	53.5° ± 1.5°
Output Power	0.14 mW
Operating Conditions	
Temperature	41° to 113°F/5° to 45°C
Humidity	10% to 80%
Dimensions	
(HxWxD, maximum)	1.69 x 5.75 x 8.19 in/4.29 x 15 x 20.8 cm
Weight	2.66 lbs/1.2 kg

Smart Array 221 Controller

Drives Supported	Up to 15 drives per channel (The PL-6400R will support up to 6 internal HDD's or 12 external HDD's using the ProLiant Storage System Model UE storage enclosure.)
Data Transfer Method	32-bit PCI bus-master
Maximum Transfer Rate per PCI Bus (peak)	133 MB/s
Simultaneous Drive Transfer Channels	One
Total Transfer Rate	80 MB/s per channel
Software Upgradable Firmware	Yes
Cache	6-MB of ECC protected read cache
Reliability Features	
Distributed Data Guarding (RAID 5)	Yes
Drive Mirroring (RAID 1)	Yes
Drive Stripping (RAID 0, 0 + 1)	Yes
Automatic Data Recovery	Yes

Smart Array 3200 Controller

Drives Supported	Up to 15 drives per channel, 30 drives maximum
Data Transfer Method	32-bit PCI bus master
Maximum Transfer Rate per PCI Bus (peak)	133 MB/s
Simultaneous Drive Transfer Channels	Two
Total Transfer Rate	160 MB/s (80 MB/s per channel)
Software Upgradable Firmware	Yes
Cache	64-MB Array Accelerator
Reliability Features	
Distributed Data Guarding (RAID 5)	Yes
Data Guarding (RAID 4)	Yes
Drive Mirroring (RAID 1)	Yes
Drive Stripping (RAID 0)	Yes
Automatic Data Recovery	Yes

Smart Array 4200 Controller

Protocol	Wide Ultra2 SCSI
SCSI Electrical Interface	Low Voltage Differential
Drives Supported (maximum)	56 drives
Data Transfer Method	64-bit PCI bus-master
Maximum Transfer Rate on PCI Bus (peak)	
Simultaneous Drive Transfer Channels	Four
Total Channel Transfer Rate	320 MB/s
Software Upgradable Firmware	Yes
Cache	64 MB battery backed and removable
Logical Drives Supported	32

Smart Array 4200 Controller *(continued)*

Reliability Features	
Cache Battery Backup	Yes
Online Capacity Expansion	Yes
Logical Drive Capacity Extension	Yes
Online RAID Level Migration	Yes
Online Stripe Size Migration	Yes
Automatic Data Recovery	Yes
Distributed Data Guarding (RAID 5)	Yes
Data Guarding (RAID 4)	Yes
Drive Mirroring (RAID 1)	Yes
Drive Striping (RAID 0, 0 + 1)	Yes

64-Bit Dual Channel Wide-Ultra2 SCSI Adapter

Drives Supported	Up to 15 SCSI devices per channel
Data Transfer Method	64-bit PCI bus master
SCSI Channel Transfer Rate	80 MB/s per channel
Maximum Transfer Rate per PCI Bus (peak)	133 MB/s
SCSI Termination	Active Termination
SCSI Connectors	2 external, (80-pin) 2 internal, (68-pin)

Compaq NC3131 Fast Ethernet NIC 64 PCI Dual Port 10/100

Network Interface	10Base-T/100Base-TX
Compatibility	IEEE 802.3/802.3u compliant
Data Transfer Method	32/64-bit bus-master PCI
Network Transfer Rate	
10Base-T (Half-Duplex), 10Base-2	10 Mb/s
10Base-T (Full-Duplex)	20 Mb/s
100Base-TX (Half-Duplex)	100 Mb/s
100Base-TX (Full-Duplex)	200 Mb/s
Connector	Dual RJ-45
I/O Address and Interrupt	Automatic Configuration
Cable Support	
10Base-T100Base-TX	Categories 3, 4 or 5 UTP (2 or 4 pair); up to 328 feet (100 meters)
	Category 5 UTP (2 pair); up to 328 feet (100 meters)
OS Driver Support	Novell NetWare Server 3.20, 4.x and 5.x, Microsoft Windows NT 3.51 and 4.0, OS/2 Warp Server, Open Server 5.x, SCO UnixWare v2.x, SCO 7.x

Technical Specifications

Compaq Rack 9142 (42U) (optional)

Dimensions	Total Cabinet	Shipping	Color
Height	78.7 in/2,000 mm	83.38 in/2,168.65 mm	
Depth	35.8 in/909 mm	48 in/1,219.2 mm	Opal
Width	23.7 in/603 mm	32 in/812.8 mm	
Weight	253 lbs/114.84 kg	325 lbs/147.52 kg	

Compaq Rack 9136 (36U) (optional)

Dimensions	Total Cabinet	Shipping	Color
Height	68.6 in/1,742 mm	75.25 in/1,911.35 mm	
Depth	35.8 in/909 mm	48 in/1,219.2 mm	Opal
Width	23.7 in/603 mm	32 in/812.8 mm	
Weight	165 lbs/75 kg	234 lbs/106 kg	

Compaq Rack 9122 (22U) (optional)

Dimensions	Total Cabinet	Shipping	Color
Height	43 in/1,092 mm	52.25 in/1,327.15 mm	
Depth	35.8 in/909 mm	48 in/1,219.2 mm	Opal
Width	24 in/610 mm	32 in/812.8 mm	
Weight	176 lbs/79.89 kg	225 lbs/102.13 kg	

Compaq Rack 7142 (42U) (optional)

Dimensions	Total Cabinet	Usable Area	Shipping
Height	85 in/215.9 cm	73.5 in/186.69 cm	90.75 in/230.5 cm
Depth	33.25 in/84.45 cm	29.21 in/74.19 cm	48 in/121.92 cm
Width	23.25 in/59.05 cm	19 in/48.26 cm	32 in/81.28 cm
Weight	253 lbs/114.84 kg	—	325 lbs/147.52 kg

Compaq Rack 4136 (36U) (optional)

Dimensions	Total Cabinet	Usable Area	Shipping
Height	67.97 in/172.5 cm	63.05 in/160.02 cm	85.25 in/203.84 cm
Depth	33.25 in/84.45	29.21 in/74.19 cm	48 in/121.92 cm
Width	23.25 in/59.05 cm	19 in/48.26 cm	32 in/81.28 cm
Weight	165 lbs/75 kg	—	234 lbs/106 kg

Compaq Rack 7122 (22U) (optional)

Dimensions	Total Cabinet	Usable Area	Shipping
Height	49.5 in/125.7 cm	38.5 in/97.79 cm	56.63 in/143.84 cm
Depth	33.25 in/84.45 cm	29.21 in/74.19 cm	48 in/121.92 cm
Width	23.25 in/59.05 cm	19 in/48.26 cm	32 in/81.28 cm
Weight	176 lbs/79.89 kg	—	225 lbs/102.13 kg

Technical Specifications

OS Driver Support

Operating Systems	Current Drivers	Driver Location
Microsoft Windows NT Server 3.51	NTSSD 1.35a	SmartStart CD and www.compaq.com[14]
Microsoft Windows NT Server 4.0	NTSSD 2.13a	SmartStart CD and www.compaq.com[14]
Microsoft Windows NT Server, Enterprise Edition 4.0	NTSSD 2.13a	SmartStart CD and www.compaq.com[14]
Novell NetWare 3.2	NSSD 5.10	SmartStart CD and www.compaq.com[14]
Novell NetWare 4.11	NSSD 5.10	SmartStart CD and www.compaq.com[14]
Novell NetWare 4.11 SMP	NSSD 5.10	SmartStart CD and www.compaq.com[14]
Novell NetWare 4.2	NSSD 5.10	SmartStart CD and www.compaq.com[14]
Novell NetWare 4.2 SMP	NSSD 5.10	SmartStart CD and www.compaq.com[14]
Novell NetWare 5	NSSD 5.10	SmartStart CD and www.compaq.com[14]
SCO OpenServer 5.0.2, 5.0.4, 5.0.5	EFS 5.26	SmartStart CD and www.compaq.com[14]
SCO UnixWare 2.1.1, 2.1.2, 2.1.3	EFS 2.26	SmartStart CD and www.compaq.com[14]
SCO UnixWare 7.0, 7.1	EFS 7.24	SmartStart CD and www.compaq.com[14]
IBM OS/2 Warp Connect 3	OS2SSD 3.50A NICSSD 1.50A	SmartStart CD and www.compaq.com[14]
IBM OS/2 Warp 4	OS2SSD 3.50A NICSSD 1.50A	SmartStart CD and www.compaq.com[14]
IBM OS/2 Warp Server 4	OS2SSD 3.50A NICSSD 1.50A	SmartStart CD and www.compaq.com[14]
IBM OS/2 Warp Server Advanced 4	OS2SSD 3.50A NICSSD 1.50A	SmartStart CD and www.compaq.com[14]
IBM OS/2 Warp Server Advanced 4 SMP	OS2SSD 3.50A NICSSD 1.50A	SmartStart CD and www.compaq.com[14]
Solaris 2.6 for Intel Platforms	DU3	http://access1.sun.com/drivers/
Banyan VINES 7.0[15]	PAT 3.05 LAT 3.03	SmartStart CD and www.compaq.com[14]
Banyan VINES 8.0[15]	PAT 3.05 LAT 3.03	SmartStart CD and www.compaq.com[14]
Banyan VINES 8.5[15]	PAT 3.05 LAT 3.03	SmartStart CD and www.compaq.com[14]

[1] Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.

[2] Data transfer rates will vary from 150 KB/s to 3600 KB/s.

[3] For complete compatibility information, refer to the Compaq SCSI Hard Drive Compatibility table located at http://www.compaq.com/products/servers/storage/index-drives.html. Using hard drives in unsupported configurations will result in voiding of the warranty and could result in damage to the drive and/or loss of data.

[4] The Compaq StorageWorks enclosure 4200 Family only supports the Wide Ultra2 1" hot pluggable hard drives.

[5] Anticipated performance of the DLT Library should be verified by using the Compaq Backup Configuration Tool, downloadable from the Compaq website at http://www.compaq.com/products/servers/storage/cheyennetool.html. and with the DLT Library Performance White Paper ECG046/0298.

[6] The DLT 15 Cartridge Library Model 20/40 or Model 35/70 can be mounted in a Compaq rack. To use any model of the library on a tabletop, the customer would purchase one of the Library Models listed above and would also order the Tabletop Conversion Kit (350384-B21) to provide metal top and side covers. Refer to the Compaq DLT Libraries QuickSpec for details. DLT Library Model 20/40 or 3570 includes one 20/40 DLT data cartridge or one 35/70 DLT data cartridge and three empty 5-cartridge magazines. US 350362-001/-002 (1 drive/2 drive) includes U.S. power cord US 350365-001/-002 (1 drive/2 drive) includes U.S. power cord, Int'l -B31/B32 (1 drive/2 drive) CTO power cord for country ordering the unit.

[7] Models not available in North America.

[8] The TL895 (96 slot) library unit (2 drive through 7 drive), TL891 library unit (1 & 2 drive) or the TL881 library unit (1 & 2 drive) require country kits (349386-001, 349386-011, 349386-AR1, 349386-021, 349386-031, 349386-111, 349386-061, 349386-081or 349386-291), SCSI Cable kits (328215-001, 328215-002, 328215-003 or 328215-004) and ProLiant Connectivity Kits (113395-001 or 113396-001). Please refer to the 96 Slot TL895 DLT Library QuickSpecs or the TL891/881 Automated DLT Tape Library Solution QuickSpecs for further details.

[9] Customers outside North America should order Rack UPS model R3000h (242705-002) in order to receive the correct power cord for your specific country/region.

[10] The Compaq ProLiant 6400R ships standard with one hot plug power supply in bay one. For redundancy, a purchase of one Compaq Hot Plug Redundant Power Supply Option Kit (105739-001) is required and can be installed in bay two.

[11] For more information, customer/resellers can contact www.Compaq.com/services.

[12] Service Options listed are specific to North America customers only.

[13] Hardware install plus 2 days O/S start-up activity (install, config, network access & orientation).

[14] Punch-out diskettes only.

[15] Banyan drivers are not available for Intel-based server NICs.